

CLAIMS

1. A piston supporting structure for a linear compressor, comprising:  
a piston reciprocating in the axial direction in receipt of driving force  
of a motor;  
a first spring of which one end portion is fixed to one side of the piston;  
and  
a second spring of which one end portion is fixed to the other side of  
the piston.
2. The structure according to claim 1, wherein spring fixing supporting  
members each are connected to both sides of the piston, and end portions  
of the first spring and second spring each are fixed to the spring fixing  
supporting members.
3. The structure according to claim 1, wherein the other end portions  
of the first spring and second spring are loosely supported by the spring fixing  
supporting members connected at a predetermined distance from both sides  
of the piston.
4. The structure according to claim 3, wherein one of the spring fixing  
supporting members is connected to the inner side of a compressor cover.
5. The structure according to claim 3, wherein one of the spring fixing

supporting members is connected to the outer side of an inner lamination.

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